



CARBON FIBRE RANDOM ORBITAL SANDER WITH DUAL BASES

ROS150CF
INSTRUCTION MANUAL

GMC®

GLOBAL MACHINERY COMPANY

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Warranty Power Tools

Whilst every effort is made to ensure your complete satisfaction with this tool, occasionally, due to the mass manufacturing techniques, a tool may not live up to our required level of performance and you may need the assistance of our service department.

The product is warranted for a 2-year repair warranty for home domestic use from the date of original purchase. If found to be defective in materials or workmanship, the tool will be repaired free of charge.

A small freight charge may apply. Proof of purchase is essential. We reserve the right to reject any claim where the purchase cannot be verified.

This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents, alterations or commercial or business use. It also does not cover any bonus items or included accessories. Only the power tool is covered under this warranty.

With continuing product development, changes may have occurred which render the product received slightly different to that shown in this instruction manual.

Please ensure that you store your receipt in a safe place.

Conditions apply to the above warranty. For full details of the warranty terms and conditions please refer to our website – www.gmcompany.com

For prompt service we suggest you log your service request online - www.gmcservice.com.au, should you not have access to the internet, please contact our service department on 1300 880 001 (Australia) or 0800 445 721 (New Zealand).

Introduction

Your new GMC power tool will more than satisfy your expectations. It has been manufactured under stringent GMC Quality Standards to meet superior performance criteria.

You will find your new tool easy and safe to operate, and, with proper care, it will give you many years of dependable service.

CAUTION. Carefully read through this entire Instruction Manual before using your new GMC Power Tool. Take special care to heed the Cautions and Warnings.

Your GMC power tool has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this tool, making it easy to maintain and operate.

Environmental protection



Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

Description of symbols

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.



Wear hearing protection.

Wear eye protection.

Wear breathing protection.



Double insulated for additional protection.



Conforms to relevant standards for electromagnetic compatibility.

N380

Specifications

Voltage:	230–240V ~ 50Hz
Input power:	430W
No load speed:	4000–12500 min ⁻¹
Sandpaper attachment:	Hook & Loop
Random orbital sanding sheet size:	Ø150mm and Ø125mm
Oscillating diameter:	2mm
Weight:	2.95kg
Sound pressure level	77.3 dB(A)

This sander is double insulated. There are two independent barriers of insulation to protect you from the possibility of electric shock.

General safety rules

WARNING. Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

Save these instructions

1. Work area

- a. Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
- b. Do not operate power tools in explosive atmospheres,** such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- c. Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2. Electrical safety

- a. Power tool plugs must match the outlet. Never modify the plug in any way.** Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c. Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool.** Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e. When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.


3. Personal safety

- a. Stay alert, watch what you are doing and use common sense when operating a power tool.** Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
 - b. Use safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
 - c. Avoid accidental starting.** Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
 - d. Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
 - e. Do not overreach.** Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
 - f. Dress properly. Do not wear loose clothing or jewellery.** Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
 - g. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust related hazards.
- #### 4. Power tool use and care
- a. Do not force the power tool.** Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
 - b. Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

- c. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation.** If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f. Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g. Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- 5. Service**
- a. Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

Additional safety rules for sanders

Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.

- Fully unwind cable drum extensions to avoid potential overheating.
- When an extension cable is required, you must ensure it has the right ampere rating for your power tool and is in a safe electrical condition.
- Ensure your mains supply voltage is the same as your tool rating plate voltage.
- Your tool is double insulated  for additional protection against a possible electrical insulation failure within the tool.
- Always check walls, floors and ceilings to avoid hidden power cables and pipes.
- After long working periods external metal parts and accessories could be hot.
- Do not force the sander; let the tool do the work at a reasonable speed. Overloading will occur if too much pressure is applied and the motor slows resulting in inefficient sanding and possible damage to the sander motor.
- When sanding wood, always connect the dust extraction filter.
- Take special care to guard against harmful and toxic dusts when sanding lead-based painted surfaces, woods and metals, including the following:
 - All persons entering the work area must wear a mask specially designed for protection against toxic dust and fumes such as those arising from the sanding of lead paint .
 - Children and pregnant women must not enter the work area.
 - Do not eat, drink or smoke in the work area.

- Before using the sander with metal always remove the extraction filter from the outlet as sparks may ignite the dust or the internal bag.
- Do not continue to use worn, torn or heavily clogged sanding sheets.
- Do not touch the moving sanding sheet.
- Ensure that you have removed foreign objects such as nails and screws from the work before commencing sanding.
- Rags, cloths, cord, string and the like should never be left around the work area.

Wear goggles

Wear ear muffs

Wear a breathing mask

Accessories

The GMC ROS150CF Dual Random Orbital Sander is supplied with the following accessories as standard:

- Ø150mm Sanding base (fitted)
- Ø125mm Sanding base
- 1 Sandpaper sheet (Ø150mm X 80 grit)
- Allen key
- Dust extraction adaptor
- Dust canister
- Spare set of 2 carbon brushes
- Instruction manual

Know your product

1. Auxillary handle
2. Auxillary handle lock knob
3. 150mm sanding base
4. On/off switch
5. Variable speed control
6. Rubber grip handle
7. Dust canister
8. Dust extraction port
9. Removable side clip (x 2) (for carbon brush access)
10. 125mm sanding base
11. Dust extraction adaptor piece
12. Washable dust bag



Unpacking

Due to modern mass production techniques, it is unlikely that your GMC Power Tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

Switching on and off

1. Connect the plug to the power supply.
2. Push the on/off switch (4) forward to start the motor.
3. Pull the on/off switch (4) back to stop the motor.



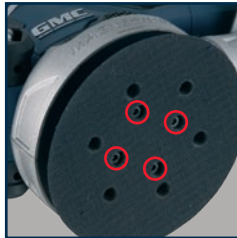
4. Hold the tool securely and make sure that you have full control at all times.

Changing the base

WARNING. Always ensure that the tool is switched off and the plug is removed from the power point before making any adjustments or maintenance procedures.

There are two interchangeable bases: a 150mm base (3) fitted to the tool on purchase and a 125mm base (10) supplied with the tool as an accessory.

1. Turn the sander upside down and remove the four hex screws using the hex key (9) provided. Take off the base assembly.
2. Place the replacement base assembly on the tool and secure it with the 4 hex screws using the hex key (9) supplied.



Fitting a sanding sheet

WARNING. Always ensure that the tool is switched off and the plug is removed from the power point before making any adjustments or maintenance procedures.

1. Before fitting sandpaper, remove any dust or debris from the base.
2. Match the holes in a suitable sheet with the holes in the base.
3. Simply press the sheet to the base to attach it.
4. To remove the sheet, peel it away from the base.



Tip. To maximise the life of the hook and loop base peel the paper off slowly rather than rapidly removing it to avoid damage to the hook and loop system.

CAUTION. Take care to regularly clean out the build up of dust on the base underneath the sandpaper and not to let the sandpaper wear completely down before replacing it. Failure to observe these two precautionary measures can lead to damage to the hooks and loops on the platen and the sandpaper will not attach properly.

WARNING. Never use the sander unless the entire base is fitted with sandpaper or another type of pad.

Using the sander

1. Grip the main handle (6) in one hand and push down on the auxiliary handle (1) with the other hand. Take care to hold the sanding surface parallel to the work.
2. Do not press down heavily. This will slow down the motor and could damage it.
3. Let the sandpaper do the work.
4. Take care that the whole base is resting on the workpiece when you switch on the sander. After switching off, keep the base on the sander until the motor stops.

WARNING. Do not use the sander in wet or damp conditions. The manufacturer recommends the use of a residual current device with a tripping current of 30mA or less.

Adjusting the speed

The speed can be adjusted to suit the material being sanded.

To adjust the speed, move the variable speed control (5) until you are satisfied that the speed is what you need for the job in hand.



Adjusting the auxiliary handle

The sander has two handles, the main handle (6) with rubber grip and the auxiliary handle (1) which can be adjusted to suit the operator's needs.

1. To adjust the auxiliary handle (1) loosen the auxiliary handle lock (2) enough so that you can easily move the handle into the desired position.
2. Re-tighten the auxiliary handle lock (2).



Selecting the right grade of sandpaper

- Different grades of sanding paper can be purchased from your local hardware store. Available grades are: Coarse, Medium and Fine.
- Use a coarse grit to sand down rough finishes, medium grit to smooth the work and fine grit to finish off.
- It is best to make a trial run on a scrap piece of material to determine the optimum grades of sandpaper for a particular job. If there are still marks on your work after sanding, try either going back to a coarser grade and sanding the marks out before recommencing with the original choice of grit, or try using a new piece of sandpaper to eliminate the unwanted marks before going on to a finer grit and finishing the job.

WARNING. Always ensure that the tool is switched off and the plug is removed from the power point before making any adjustments or maintenance procedures.

Dust extraction

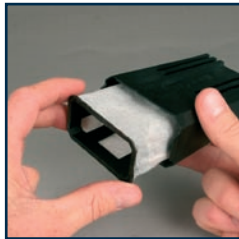
WARNING. Always ensure that the tool is switched off and the plug is removed from the power point before making any adjustments or maintenance procedures.

1. Attach the dust canister (7) to the dust extraction port (8) of the sander by pushing and twisting the bayonet fitting.

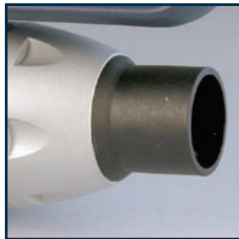
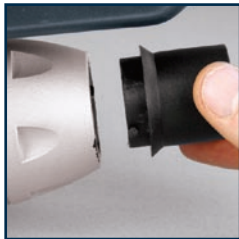


WARNING. For optimum dust extraction, remove and empty the canister (7) when it is no more than half full.

2. Remove the cap from the end of the canister (7) to access the internal dust bag (12) when you wish to replace or clean the bag. The bag (12) can be washed. Make sure the bag is completely dry before replacing it.



3. The dust extraction adaptor piece (11) can be fitted into the dust extraction port (8) in place of the dust canister (7).



4. The sander can then be connected to a household vacuum cleaner or workshop dust extraction system.

Maintenance

WARNING. Always ensure that the tool is switched off and the plug is removed from the power point before making any adjustments or maintenance procedures.

1. Keep the tool's air vents unclogged and clean at all times.
2. Regularly check to see if any dust or foreign matter has entered the grills near the motor and around the on/off switch. Use a soft brush to remove any accumulated dust. Wear safety glasses to protect your eyes whilst cleaning.
3. If the body of the tool needs cleaning, wipe it with a soft damp cloth. A mild detergent can be used but nothing like alcohol, petrol or other cleaning agent.
4. Never use caustic agents to clean plastic parts.

CAUTION. Water must never come into contact with the tool.

General inspection

Regularly check that all the fixing screws are tight. They may vibrate loose over time.

Replacing the carbon brushes

1. To access a carbon brush, first prise open a side clip (9) using a flat screwdriver then removing the clip.



2. Use a small flat screwdriver to unscrew the brush cap and remove the carbon brush assembly.

3. Insert the new brush assembly and replace the brush cap, tightening it with a screwdriver. Replace the side clip (9).

4. Repeat the operation for the second brush on the other side of the tool.



Note. After replacing the brushes, you may notice sparking and a burning smell when the tool is first used. This is not a hazard. The excessive sparking and the burning smell will both soon subside as the new brushes bed in.

Power cord maintenance

If the supply cord needs replacing, the task must be carried out by the manufacturer, the manufacturer's agent, or a power tool repair centre in order to avoid a safety hazard.

GMC customer assist

If your product needs repairing or you simply need help or advice, please contact us on our Customer Assist Line 1300 880 001 (Australia) or 0800 445 721 (New Zealand).

For prompt service we suggest you log your service request online at www.gmcservice.com.au. Should you not have access to the Internet, please contact our service department on 1300 880 001 (Australia) or 0800 445 721 (New Zealand). 7am – 7pm, 7 days a week (AEST).

Please note that if repair is required, you must provide a valid original purchase receipt.

You will need the following details at hand to log your service request;

Personal details: First & Last name, address, pick up address, contact phone numbers, email address

Product details: Product number, date of purchase, retailer bought from, State & postcode, receipt number, reason for the request, copy of official purchase receipt

Attach your purchase receipt and save with this Manual for future reference.

Please refer to our website www.gmcompany.com for full GMC warranty Terms and Conditions.

Attach Your
Receipt Here

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